

Workshop on Ethanol and Alkylates in Fuels

Overview of Office of Fuels Development Energy Efficiency and Renewable Energy

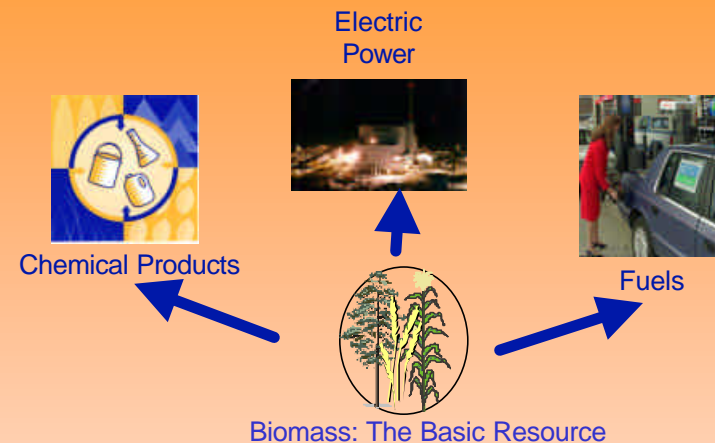


April 2001
Tien Nguyen



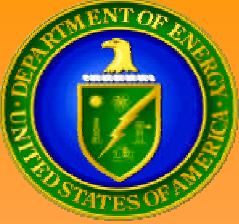
Mission

Perform R&D to enable and support the establishment of a large integrated biomass-based bioenergy industry that supplies fuels, chemicals, and electricity



Foster new domestic jobs, and reduce carbon emissions and reliance on imported fuels





Scope

✍ **Program Areas (\$40 Million per year total)**

- Biomass Feedstock Development
- Biomass Conversion Technology R&D
- Renewable Diesel Alternatives R&D
- Regional Biomass Energy Program
- Bioenergy Initiative





Objectives

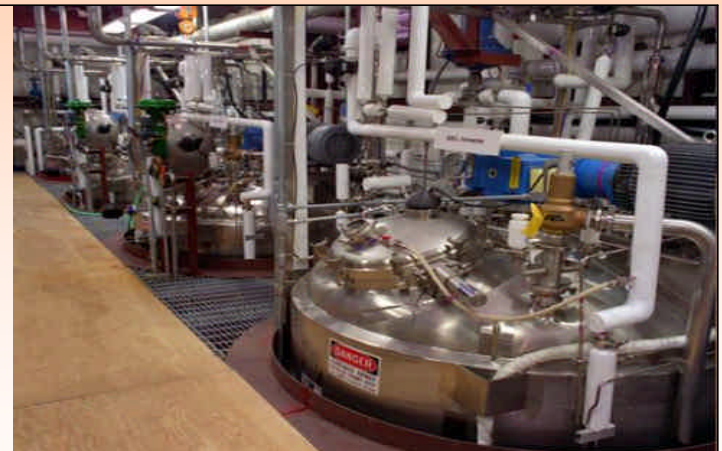
Feedstock Production

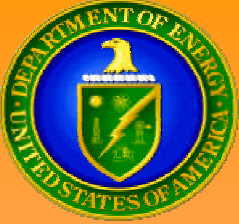
Develop cost competitive feedstock supply systems to support large-scale wide-spread production of fuels, chemicals, and power



Biomass Conversion

Develop integrated bioengineering systems to increase conversion yields and reduce ethanol and chemicals production cost





Objectives (continued)

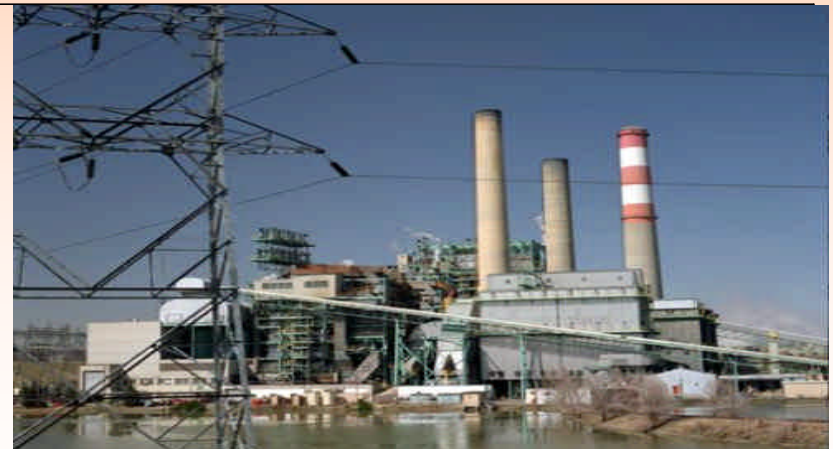
Renewable Diesel Alternatives

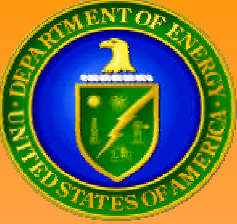
Support the development, testing, and deployment of diesel alternatives.



Regional Program

Foster the use of bioenergy alternatives through technology transfer and industry support at regional and state levels.





Strategic Approach

- ✍ Focus on ethanol production research, development and deployment as most promising option
- ✍ Partner with industry to build demonstration facilities
- ✍ Core research and development to reach program cost goals and proceed beyond first demonstration facilities



Office of Energy Efficiency and Renewable Energy

